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PPLICATION N	Ю.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/724,986		11/30/2003	Wayne Theel	13312/121	1884	
24325	7590	04/08/2005		EXAM	EXAMINER	
	EN D. SCA	ANLON	LE, THON	LE, THONG QUOC		
JONES DAY 901 LAKESIDE AVENUE				ART UNIT	ART UNIT PAPER NUMBER	
CLEVELAND, OH 44114			2827			
	·			DATE MAILED: 04/08/2009	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Summany	10/724,986	THEEL, WAYNE					
Office Action Summary	Examiner	Art Unit					
	Thong Q. Le	2827					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period was Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days till apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE!	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status	,						
1) Responsive to communication(s) filed on	_•						
2a) This action is FINAL . 2b) ⊠ This	action is non-final.						
3) Since this application is in condition for allowan	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-24</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.						
Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1 and 2</u> is/are rejected.	_						
7) Claim(s) 3-24 is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examine	۲.						
10)⊠ The drawing(s) filed on <u>30 November 2003</u> is/ar		ed to by the Examiner.					
Applicant may not request that any objection to the							
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).					
1. Certified copies of the priority documents							
2. Certified copies of the priority documents	2. Certified copies of the priority documents have been received in Application No						
Copies of the certified copies of the prior	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •						
* See the attached detailed Office action for a list	of the certified copies not receive	d.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate atent Application (PTO-152)					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	atent Application (FTO-132)					
S. Patent and Trademark Office							

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DETAILED ACTION

1. Claims 1-24 are presented for examination.

Specification

2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Drawings

- 3. The drawings were received on 05/07/2004. This drawing is Figure 7.
- 4. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because these drawings have some missing label, in informal format or unclear label. All of drawings are required to submit in formal format and clarity.

 Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

6. Claims 1-2 are rejected under 35 U.S.C. 102(e) as being anticipated by Perner et al. (Pub. U.S. Patent No. 2004/0085122).

Regarding claim 1, Perner et al. disclose an apparatus for improving stability of a magnetoresistive random access memory over process and operational variations comprising (Figure 2, [0008-0010]), in combination:

a current reference circuit (Figure 2, 220) for providing a reference current control signal (220);

variable analog control circuitry (Figure 2, 240, [0063-0064] connected to receive the reference control signal from the current reference circuit, where the variable analog control circuitry generates a word current reference signal [0002] in response to the reference current control signal and further generates a source current (ABSTRACT, [0007] reference signal in response to the reference current control signal;

at least one word current source connected to receive the word current reference signal [0002]; and

at least one sense current source (Figure 4a, [0012-0013] connected to receive the source current reference signal (Figures 4).

Regarding claim 2, Perner et al. disclose a bias tuning circuit comprising, in combination: a bias generator (ABSTRACT, Figure 3, 330) having a bias output; a plurality of switches having a word reference input and a mirror transistor output [0005], a plurality of mirror transistors (Figure 3, 320, 330) connected to one of the minor transistor outputs, a transistor connected in a mirror configuration with the plurality of mirror transistors having a tuned reference output; and a selector to select one of the mirror transistor to activate the transistor to set the voltage to the plurality of mirror transistors (Figure 4B, 210), [0031].

Allowable Subject Matter

7. Claims 3-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 3-24 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Perner et al. (Pub. U.S. Patent No. 2004/0085122), and others, does not teach the claimed invention having a plurality of mirror transistors having a different gain, and an indicator transistor having a gain that is a multiple of transistor.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q. Le whose telephone number is 571-272-1783. The examiner can normally be reached on 8:00am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai V. Ho can be reached on 571-272-1777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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